

IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

In re Application of :

HIDENORI OHKI et al.

Serial No. : 09/248,267

Art Unit : 1654

Filed : February 11, 1999

Examiner : MARSHALL, S

For : CYCLIC HEXAPEPTIDES HAVING ANTIBIOTIC ACTIVITY

DECLARATION

I, HIDENORI OHKI, a citizen of Japan residing at No. 4-4-13-107, Nakasuji, Takarazuka-shi, HYOGO, JAPAN, declare and say that :

I graduated from Hiroshima University, Faculty of Science, in March 1986;

I pursued the postgraduate course of Chemistry and received the degree of Master of Science from said University, in 1988;

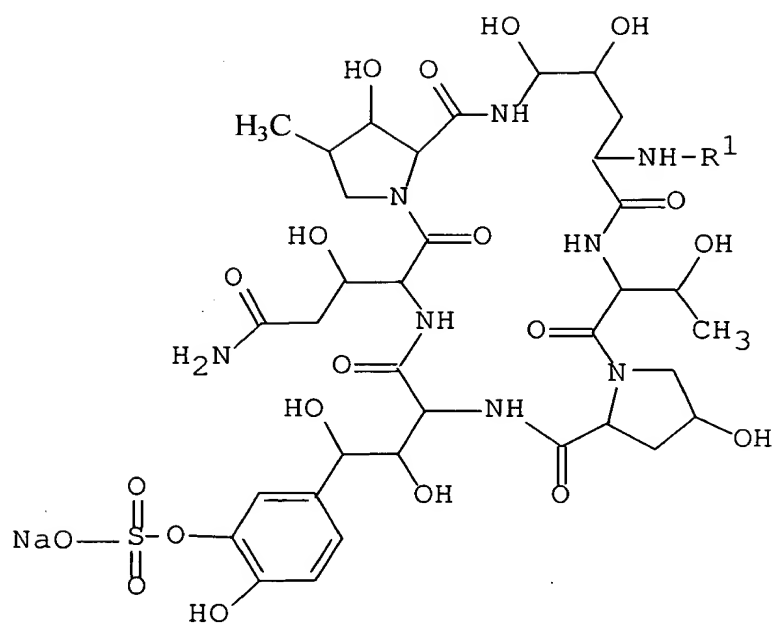
Since April 1988, I have been, as an organic chemist, in the continuous employ of Fujisawa Pharmaceutical Co., Ltd., OSAKA, JAPAN and am now a Senior Research Chemist of the Medicinal Chemistry Research Laboratories;

I am a member of the American Chemical Society, the Chemical Society of Japan, the Society of Synthetic Organic Chemistry, Japan and the Pharmaceutical Society of Japan;

I am a co-inventor of the above-identified U.S. patent application.

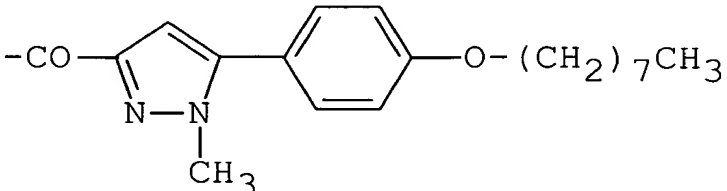
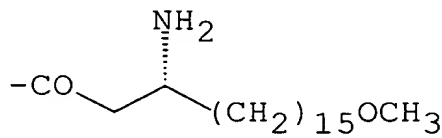
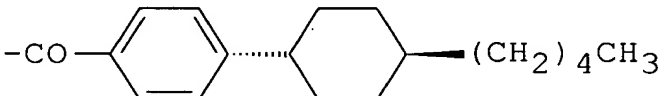
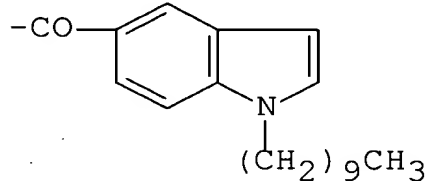
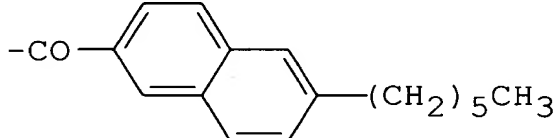
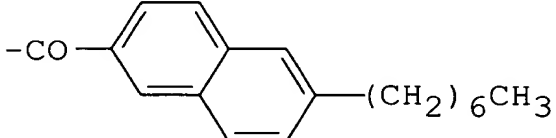
I synthesized the compounds 1 to 29 of the above-identified U.S. patent application and the compounds A and B of USP 5,376,634, namely:

Test Compounds

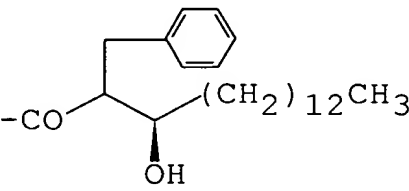
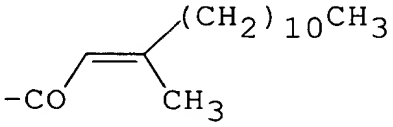


No.	Compound	R ¹
A	Example 35 of USP 5,376,634	
B	Example 45 of USP 5,376,634	
1	Example 44	
2	Example 45	
3	Example 12	
4	Example 26	
5	Example 84	
6	Example 21	

No.	Compound	R ¹
7	Example 31	$-\text{CO}-\text{C}\equiv\text{C}-\text{C}_{10}\text{H}_7-\text{O}-(\text{CH}_2)_6\text{CH}_3$
8	Example 20	$-\text{CO}-\text{CH}_2\text{CH}_2-\text{C}_{10}\text{H}_7-\text{O}-(\text{CH}_2)_6\text{CH}_3$
9	Example 16	$-\text{CO}-\text{CH}_2\text{CH}_2-\text{C}_6\text{H}_4-\text{C}_6\text{H}_4-\text{O}-(\text{CH}_2)_4\text{CH}_3$
10	Example 40	$-\text{CO}-\text{C}_6\text{H}_4-\text{N}(\text{C}_2\text{H}_4)_2-\text{N}(\text{C}_6\text{H}_4)-\text{O}-\text{C}_4\text{H}_9$
11	Example 24	$-\text{CO}-\text{C}_6\text{H}_4-\text{C}_6\text{H}_4-\text{O}-(\text{CH}_2)_8\text{OCH}_3$
12	Example 22	$-\text{CO}-\text{C}_6\text{H}_4-\text{C}_6\text{H}_4-(\text{CH}_2)_5\text{CH}_3$
13	Example 35	$-\text{CO}-\text{C}_6\text{H}_4-\text{C}_6\text{H}_4-(\text{CH}_2)_6\text{CH}_3$
14	Example 8	$-\text{CO}-\text{O}-\text{CH}_2-\text{C}_{10}\text{H}_7-\text{O}-(\text{CH}_2)_6\text{CH}_3$

No.	Compound	R ¹
15	Example 54	 <chem>CCCCCCCCOc1ccc(cc1)-c2cn(C)c(c2)C(=O)O</chem>
16	Example 118	 <chem>COCCCCCCCCCCCCCCCCOC[C@H](N)CC(=O)O</chem>
17	Example 74	 <chem>CCCCC[C@H]1CCCCC1c2ccc(cc2)C(=O)O</chem>
18	Example 113	 <chem>CCCCCCCCCCC1=CNc2ccccc12C(=O)O</chem>
19	Example 82	 <chem>CCCCCCC1=CC=C2C(=CC=CC2=C1)OC(=O)O</chem>
20	Example 81	 <chem>CCCCCCCC1=CC=C2C(=CC=CC2=C1)OC(=O)O</chem>

No.	Compound	R ¹
21	Example 103	<chem>-CO-c1ccc(cc1)-c2ccc(cc2)O(CH2)8OCCOC</chem>
22	Example 114	<chem>-CO-c1ccc(cc1)-c2ccc(cc2)O(CH2)6OCC</chem>
23	Example 89	<chem>-CO-c1ccc(cc1)-c2ccc(cc2)-c3ccc(cc3)O(CH2)6OC</chem>
24	Example 112	<chem>-CO-c1ccc(cc1)-c2ccc(cc2)O(CH2)8O[C@H]1CCCCC1</chem>
25	Example 51	<chem>-CO-c1ccc(cc1)-c2ccc(cc2)O(CH2)5Oc3ccccc3</chem>
26	Example 109	<chem>-CO-c1cc2c(c1)ocn2-c3ccc(cc3)O(CH2)7C</chem>
27	Example 62	<chem>-COCC(O)CCCCCCCCCCCCCCC</chem>

No.	Compound	R ¹
28	Example 60	
29	Example 63	

It is declared by the undersigned that all statements made herein of undersigned's own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements, and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of this application or any patent issuing thereon.

Hidenori Ohki
Hidenori Ohki

This 1st day of April, 1999
OSAKA, JAPAN